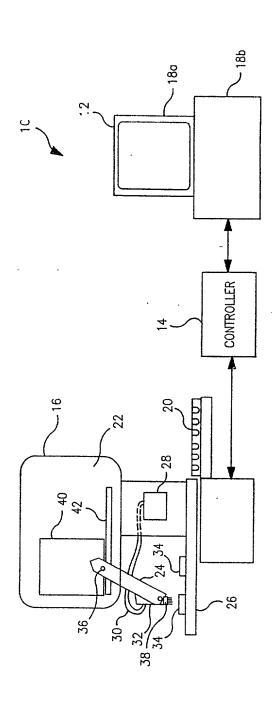
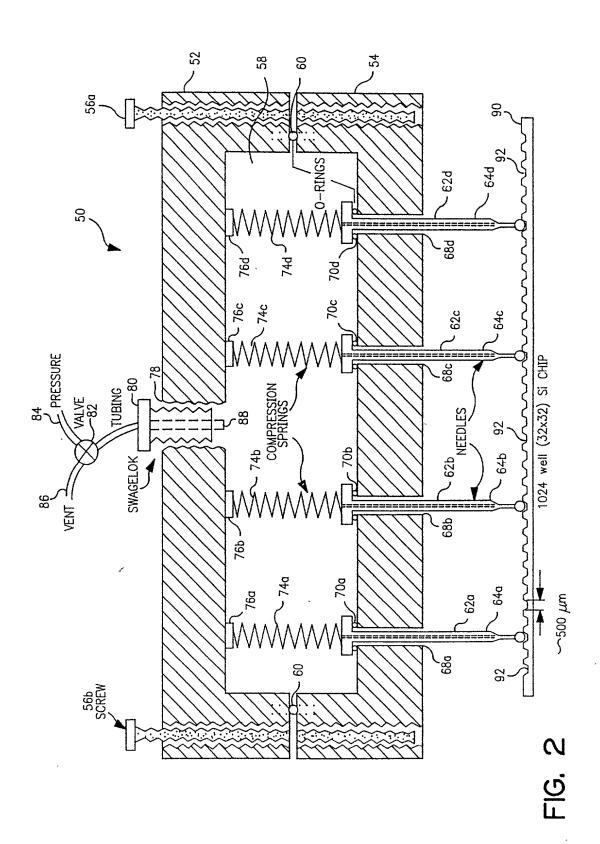
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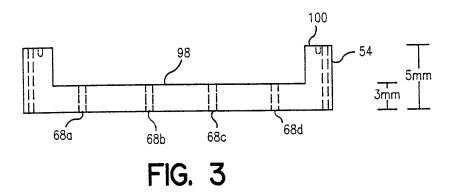
Title: SYSTEMS AND METHODS FOR PREPARING AND
ANALYZING LOW VOLUME ANALYTE ARRAY
ELEMENTS.
Applicant: Little et al.
Serial No. 087786,988 Filed: January 23, 1997
Our Docket No.: 24736-2001D

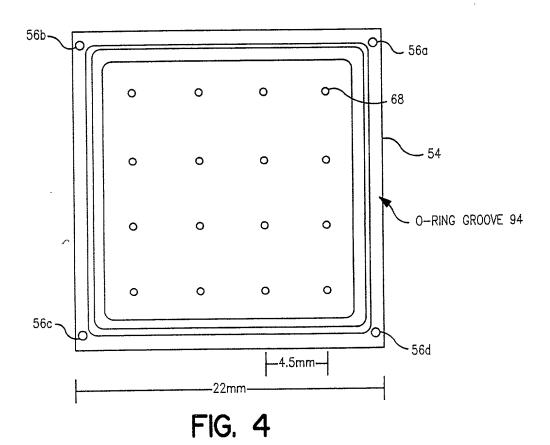


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Title: SYSTEMS AND METHODS FOR PREPARING AND
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Title: SYSTEMS AND METHODS FOR PREPARING AND
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Serial No. 08/786,988 Filed: January 23, 1997
Our Docket No.: 24736-2001D

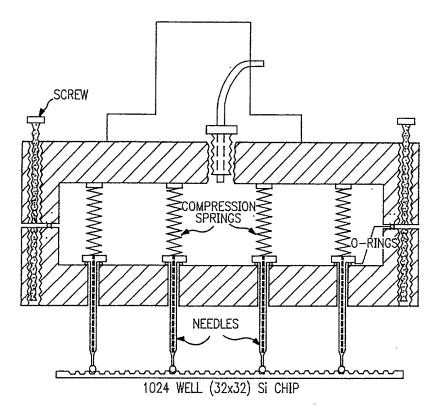


FIG. 5A

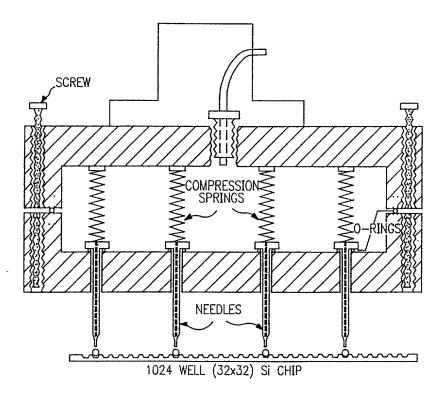


FIG. 5B

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Title: SYSTEMS AND METHODS FGR PREPARING AND
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Applicant: Little a a.
Serial No. 08/786,988 Filed: January 23, 1997
Gur Docket No.: 24736-2001D

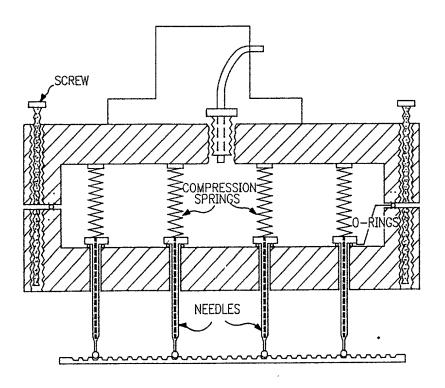


FIG. 5C

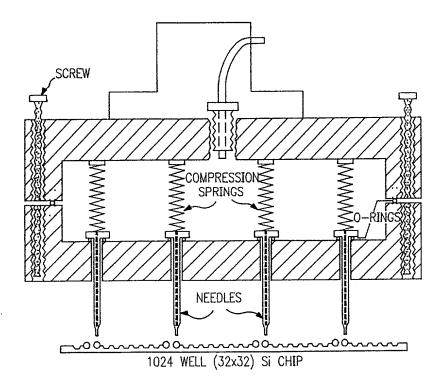


FIG. 5D

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Appicant: Little et al.
Serial No. 08786,983 Filed: January 23, 1997
Our Docket No.: 24736-2001D

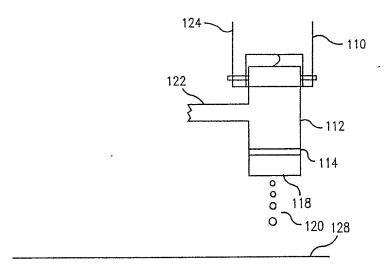


FIG. 6A

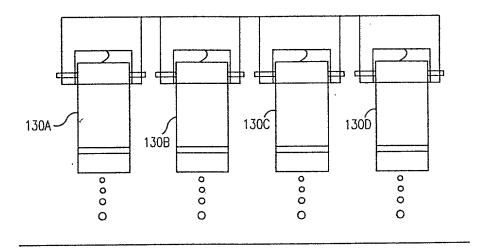


FIG. 6B

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Title: SYSTEMS AND METHODS FOR PREPARING AND
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Serial No. 08/786,988 Filed: January 23, 1997
Our Docket No.: 24736-2001D

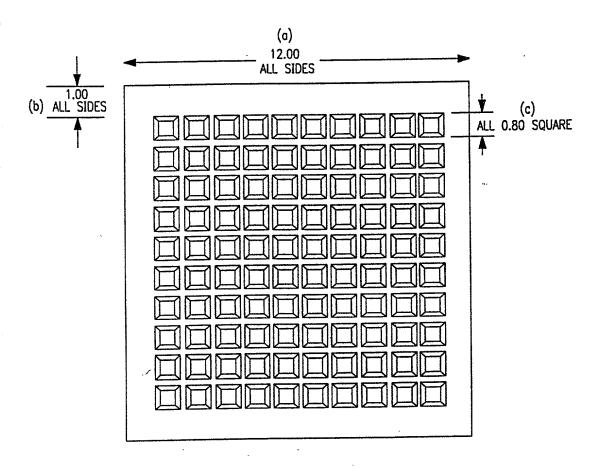


FIG. 7

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Sheet 8 of 9
SYSTEMS AND METHODS FOR PREPARING AND

ANALYZING LOW VOLUME ANALYTE ARRAY ELEMENTS.

Applicant: Little et al. Ceri: I No. 08/786,988 Filed: January 23, 1997 Our Docket No.: 24736-2001D

23-MER (6nL of 1.4uM = 8.6fmol) 10x10 850x850um (99um DEPTH) WELLS.

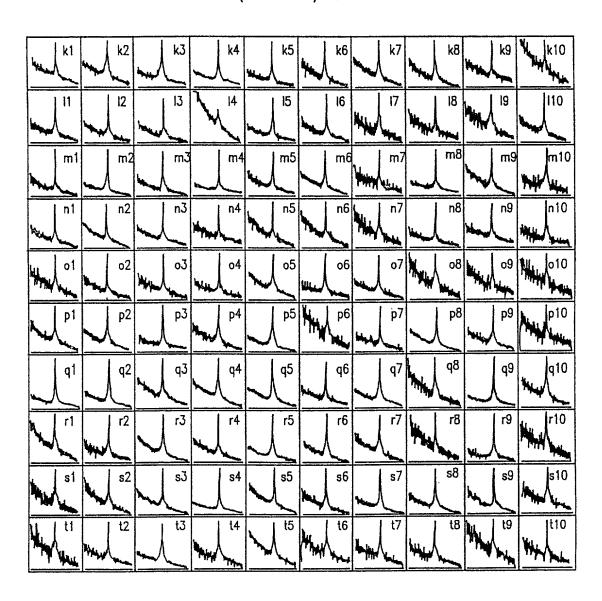


FIG. 8

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Title: SYSTEMS AND METHODS FOR PREPARING AND
ANALYZING LOW VOLUME ANALYTE ARRAY
ELEMENTS.
Applic.ni: Little et al.
Serial No. 28786,988 Filed: January 23, 1997
Our Docket No.: 24736-2001D

k1	k2	k3	k4	k5	k6	k7	k8	k9	k10
6968 Da	6968 Da	6988 Da	6977 Da	6971 Da	6968 Da	6972 Da	6978 Da	6952 Da	6965 Da
170 RP	100 RP	90 RP	100 RP	170 RP	110 RP	160 RP	110 RP	250 RP	300 RP
11	12	13	14	15	16	17	18	19	110
6965 Do	6989 Da	6982 Da	6996 Da	6982 Da	6968 Da	6984 Da	6968 Da	6996 Da	6968 Da
130 RP	140 RP	210 RP	50 RP	160 RP	180 RP	130 RP	200 RP	80 RP	100 RP
m1	m2	m3	m4	m5	m6	m7	m8	m9	m10
6966 Da	6979 Da	6975 Da	6968 Da	6976 Da	6986 Da	6973 Da	6978 Da	6975 Da	6955 Da
190 RP	120 RP	120 RP	190 RP	110 RP	120 RP	160 RP	160 RP	230 RP	250 RP
n1	n2	n3	n4	n5	n6	n7	n8	n9	n10
6961 Da	6971 Da	6970 Da	6960 Da	6985 Da	6953 Da	6971 Da	6962 Da	6957 Da	6960 Da
340 RP	180 RP	150 RP	300 RP	120 RP	210 RP	140 RP	160 RP	150 RP	160 RP
o1	o2	o3	o4	o5	o6	o7	o8	o9	o10
6965 Da	6960 Da	6976 Da	6953 Da	6983 Da	6967 Da	6970 Da	6973 Da	6953 Da	6952 Da
140 RP	230 RP	200 RP	250 RP	110 RP	250 RP	150 RP	70 RP	140 RP	140 RP
p1	p2	p3	p4	p5	p6	p7	p8	p9	p10
6976 Da	6981 Da	6972 Da	6969 Da	6984 Da	6968 Da	6958 Da	6981 Da	6978 Da	6965 Da
140 RP	90 RP	180 RP	90 RP	130 RP	100 RP	290 RP	100 RP	110 RP	150 RP
q1	q2	q3	q4	q5	q6	q7	q8	q9	q10
6976 Da	6985 Da	6990 Da	6989 Da	6984 Da	6969 Da	6979 Da	6968 Da	6973 Da	6950 Da
170 RP	100 RP	120 RP	90 RP	90 RP	170 RP	70 RP	140 RP	120 RP	120 RP
r1	r2	r3	r4	r5	r6	r7	r8	r9	r10
6966 Da	6960 Da	6969 Da	6964 Da	6966 Da	6970 Da	6972 Da	6939 Da	6951 Da	6965 Da
130 RP	150⁄ RP	100 RP	180 RP	130 RP	110 RP	90 RP	130 RP	230 RP	200 RP
s1	s2	s3	s4	s5	s6	s7	s8	s9	s10
6963 Da	6953 Da	6970 Da	6971 Da	6957 Da	6956 Da	6966 Da	6975 Da	6951 Da	6969 Da
130 RP	210 RP	120 RP	170 RP	130 RP	160 RP	140 RP	120 RP	230 RP	120 RP
t1	t2	t3	t4	t5		t7	t8	t9	t10
6974 Da	6958 Da	6959 Da	6952 Da	6959 Da		6950 Do	6974 Da	6967 Da	6950 Da
90 RP	160 RP	120 RP	100 RP	110 RP		160 RP	140 RP	150 RP	230 RP

LASER POWER = 41000 FOR ALL SPECTRA. EACH SPECTRUM THE SUM OF 10-30 SINGLE SHOTS.

FIG. 9